

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6	("2403047").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/25 07:42
S1	271686	(spark near2 gap air near2 gap gas near3 discharge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 15:27
S2	6289	S1 and (lightning near2 strike overvoltage voltage near2 transient voltage near2 surge voltage near2 spike)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 17:28
S3	12828	(varistor MOVs non-linear near2 resistor zinc near3 oxide) same resistor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 10:13
S4	512	S2 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 10:26
S5	316	S4 and (insulation insulator isolation insulate insulating insulated)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 10:26
S6	5	("3727166"   "4152743"   "4174530"   "4652963"   "4814936").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/23 10:18
S7	1	("5289335").URPN.	USPAT	OR	ON	2005/11/23 10:25
S8	3373	(361/117-127).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/11/23 10:26
S9	0	("001and8").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/23 10:26
S10	1570	S8 and (lightning near2 strike overvoltage voltage near2 transient voltage near2 surge voltage near2 spike)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 13:25
S11	279	S10 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 10:26
S12	199	S11 and (insulation insulator isolation insulate insulating insulated)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 10:33

S13	102	(protect\$3 prevent\$3) near4 (worker persons people operator human) and S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 10:36
S14	18	S3 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 10:34
S15	59	(protect\$3 prevent\$3) near4 (worker persons people operator human) and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 10:42
S16	501	(protect\$3 prevent\$3) near4 (worker persons people operator human) and ground near2 fault	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 10:43
S17	62	S1 and S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 10:43
S18	6	S3 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 10:43
S19	40398	S1 same (insulator isolator insulat\$3 isolat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 11:28
S20	348	S19 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 11:28
S21	4879	S1 same (insulator isolator insulat\$3 isolat\$3) near2 (layer film)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 11:31
S22	22	S21 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 11:28
S23	17357	S1 and (insulator isolator insulat\$3 isolat\$3) near2 (layer film)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 11:31

S24	467	S23 and (lightning near2 strike overvoltage voltage near2 transient voltage near2 surge voltage near2 spike)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 11:31
S25	4	("4198590"   "4481630"   "4755719"   "6566813").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/23 11:49
S26	6	("3898533"   "4366412"   "4912592"   "5142434"   "5313183"   "5388023").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/23 12:25
S27	1	("4630168").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/23 13:12
S28	17	"2337743"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 13:25
S29	4294	insulat\$3 near2 gap and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 13:25
S30	263	S29 and (lightning near2 strike overvoltage voltage near2 transient voltage near2 surge voltage near2 spike)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 13:27
S31	4	("3141108"   "3780350"   "4433354").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/23 13:32
S32	4	("4062054"   "5282109"   "5388023"   "5450273").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/23 13:37
S33	511	breakdown near2 voltage near3 (spark near2 gap gas near3 discharge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 15:29
S34	511	S1 and S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 15:28
S35	150	S33 and (lightning near2 strike overvoltage voltage near2 transient voltage near2 surge voltage near2 spike)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 15:29
S37	7	breakdown near2 voltage near3 between near3 gas near3 discharge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 15:40

S38	91	breakdown near2 voltage near3 between same gas near3 discharge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 15:49
S45	107	(gas near2 discharge near2 tube GDT) near5 (MOV varistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:44
S46	2	S45 same voltage near2 rat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:39
S47	8	S45 same rat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:40
S48	167	(gas near2 discharge near2 tube GDT) near5 rat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:40
S49	1937	rat\$3 near5 (MOV varistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:53
S50	3	S48 and S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 17:44
S51	4	(gas near2 discharge near2 tube GDT) near5 (below lower) near4 (MOV varistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:49
S52	172	VOLTAGE NEAR2 rat\$3 near2 (MOV varistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 16:53
S55	7544	resistor near3 range	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 17:13
S56	23	S55 and arrester	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 17:10

S57	29096	resistor near3 ohms	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 17:27
S58	1999	S1 and S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 17:14
S59	465	S58 and (lightning near2 strike overvoltage voltage near2 transient voltage near2 surge voltage near2 spike)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 17:44
S61	4581	resistor near3 "100" near2 ohms	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 17:27
S62	558	S61 and (lightning near2 strike overvoltage voltage near2 transient voltage near2 surge voltage near2 spike)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 17:28
S63	67	S1 and S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 17:40
S64	1	("5289335").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/23 17:43
S65	0	("triggernear41").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/23 17:44
S66	865	trigger near3 S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 17:44
S67	140	S66 and (lightning near2 strike overvoltage voltage near2 transient voltage near2 surge voltage near2 spike)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/23 17:45